

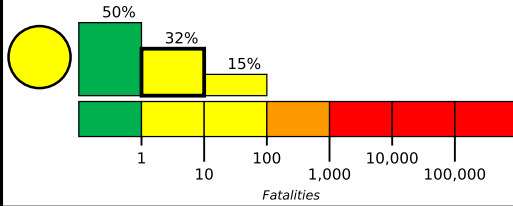
M 5.7, 28km SE of Masjed Soleyman, Iran

Origin Time: 2019-07-08 07:00:31 UTC (Mon 11:30:31 local)

Location: 31.7748° N 49.5422° E Depth: 10.0 km

Created: 2 hours, 2 minutes after earthquake

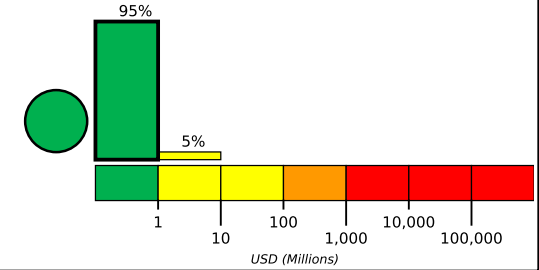
Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

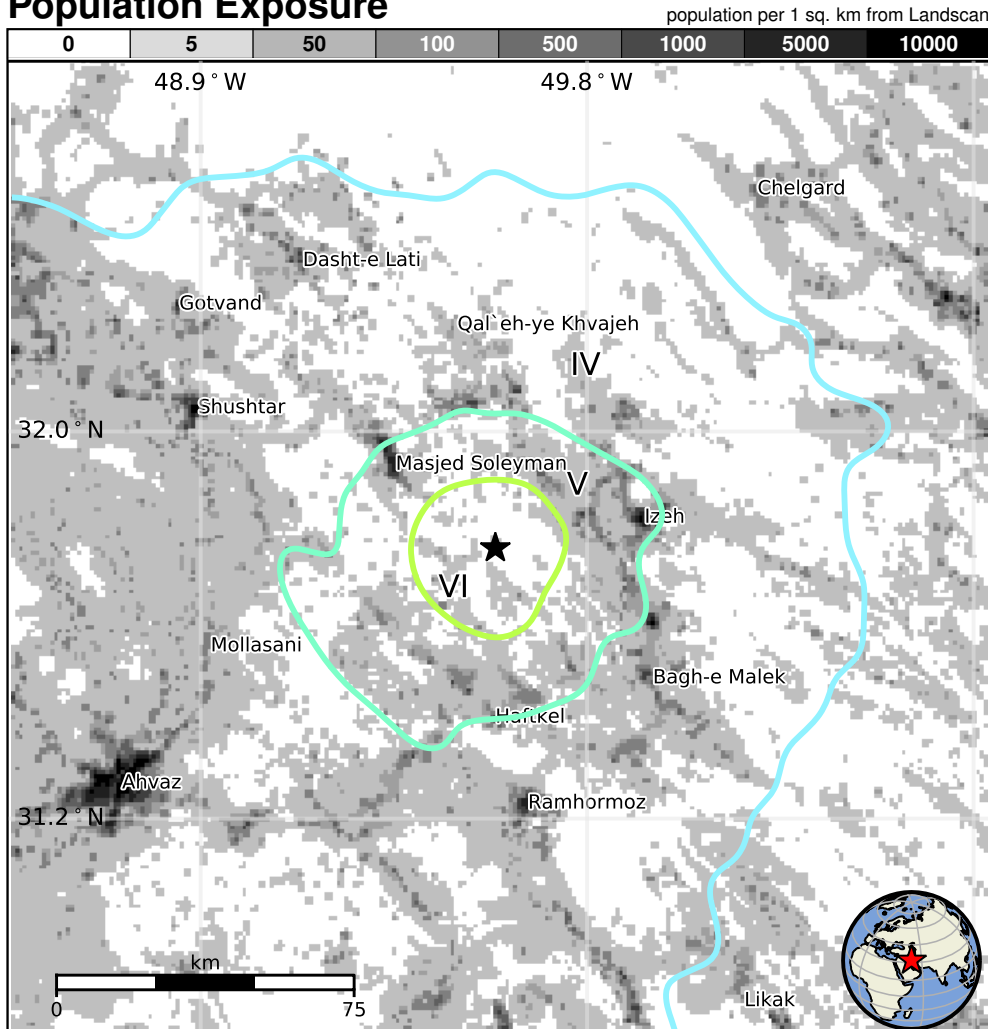


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	290k*	2,504k	414k	17k	1k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud and timber post construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2005-05-03	224	4.9	VI(36k)	4
1999-05-06	341	6.2	VI(1k)	26
1977-04-06	106	6.0	VIII(31k)	366

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Izeh	<1k
V	Masjed Soleyman	112k
V	Haftkel	<1k
IV	Bagh-e Malek	<1k
IV	Qal'eh-ye Khvajeh	<1k
IV	Mollasani	<1k
IV	Ramhormoz	39k
IV	Shushtar	78k
IV	Ahvaz	841k
IV	Ramshir	19k
IV	Farsan	25k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70004ejm#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70004ejm